

WHAT IS CLAIMED IS:

1. A navigation system comprising:

at least one light source including a driver and an encoder, the driver and

5 the encoder coupled to the light source so that the light source produces a modulated light signal in accordance with a predetermined signature;

a receiver including a photosensitive detector capable of detecting the modulated light signal and a decoder capable of decoding the predetermined signature;

a memory;

a controller communicatively coupled to the receiver and the memory; and

an output device coupled to the controller,

wherein the controller is arranged to receive the decoded predetermined signature, based upon the decoded predetermined signature, obtain at least one navigation instruction stored in the memory, and output the navigation instruction using the output device.

2. The navigation system according to Claim 1, wherein the predetermined signature comprises a unique binary code.

20 3. The navigation system according to Claim 1, wherein the navigation system is located within a building.

4. The navigation system according to Claim 1, wherein the output device

comprises an audio device or an image device.

5. The navigation system according to Claim 1, wherein the memory also includes a digital map used to provide the navigation instruction.

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6. The navigation system according to Claim 5, wherein the memory is integrated with the receiver, the controller and the output device.

7. The navigation system according to Claim 1, wherein the memory is accessed by the controller via a communication network.

8. The navigation system according to Claim 1, further comprising an input device.

9. The navigation system according to Claim 8, wherein the modulated light signal is provided when a predetermined input is received by the input device.

10. The navigation system according to Claim 8, wherein the predetermined signature is programmable using the input device.

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11. The navigation system according to Claim 8, wherein the input device comprises a keyboard, push buttons, a touch pad, a mouse or a voice recognition unit.

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12. A receiver comprising:
a photosensitive detector capable of detecting a modulated light signal;
a decoder capable of decoding a predetermined code from the modulated
light signal;
a memory;
a controller communicatively coupled to the receiver and the memory; and
an output device coupled to the controller,
wherein the controller is arranged to receive the decoded predetermined
signature, based upon the decoded predetermined signature, obtain at least one
navigation instruction stored in the memory, and output the navigation instruction using
the output device.
13. The receiver according to Claim 12, wherein the memory is integrated with
the controller and the output device.
14. The receiver according to Claim 12, wherein the memory is accessed by
the controller via a communication network.
15. The receiver according to Claim 12, further comprising an input device.
16. The receiver according to Claim 15, wherein the memory includes a digital
map used to provide the navigation instruction.

17. A navigation system comprising:

means for producing at least one light signal having a signature;

means for decoding the signature from the light signal;

means for providing a navigation instruction in accordance with the

5 signature.